

Notice of Allowability

Application No.

10/726,438

Applicant(s)

KOBAYASHI, OSAMU

Examiner

Nguyen Ngo

Art Unit

2663

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to special amendment 11/25/2005.
2. ☒ The allowed claim(s) is/are 19-25,28,30-33 and 35-50.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Response to Amendment

1. This communication is in response to the special amendment of 11/25/2005. All changes made to the specification, drawings, and claims have been entered. Accordingly, Claims 19-25,28,30-33 and 35-50 are currently pending in the application.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michael J. Ferrazano on December 15, 2005.

The application has been amended as follows:

3. -Claim 24, line 1, the phrase "Computer program product for efficiently transmitting packet data" has been changed to -- Computer program product stored on a computer-readable storage medium for efficiently transmitting packet data --.

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4. -Claim 24, line 14, after semicolon, add -- and --.
5. -Claim 24, lines 17-19, delete “; and computer readable medium for storing the code”.
6. -Claim 42, lines 2-3, the phrase “the results of training sessions information” has been changed to -- training sessions information --.

Allowable Subject Matter

7. Claims 19-50 are allowed.

The following is an examiner's statement for reason for allowance:

8. Claim 19 and 24 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose **forming a number of virtual links each being associated with a particular one of the multi media data packet streams wherein each of said virtual links has an associated virtual link bandwidth and a virtual link rate.** It is noted that the closest prior art, Wolf (US 6914637) discloses a method for video and auxiliary data transmission over a serial link involving a transmitter, a receiver, and a serial link, in which encoded data are transmitted from the transmitter to the receiver. However, Wolf fails to disclose or render obvious the above underlined limitations as claimed.

9. Claims 30 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose of having the main link include a number of virtual links each being associated with a particular one of the multimedia data packet streams wherein each of said virtual links has an associated virtual link bandwidth. It is noted that the closest prior art, Wolf (US 6914637) discloses a method for video and auxiliary data transmission over a serial link involving a transmitter, a receiver, and a serial link, in which encoded data are transmitted from the transmitter to the receiver. However, Wolf fails to disclose or render obvious the above underlined limitations as claimed.

10. Claims 31 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose the limitation of having the receiver unit include a time-base recovery unit arranged to regenerate a particular data stream's native rate based upon a time stamp embedded within the data packets and wherein the time stamp is based upon a determination of a number of native stream clocks in 2^{20} cycles of link cycle clock frequency period. It is noted that the closest prior art, Wolf (US 6914637) discloses a method for video and auxiliary data transmission over a serial link involving a transmitter, a receiver, and a serial link, in which encoded data are transmitted from the transmitter to the receiver. However, Wolf fails to disclose or render obvious the above underlined limitations as claimed.

Conclusion

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen Ngo whose telephone number is (571) 272-8398. The examiner can normally be reached on Monday-Friday 7am - 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on (571) 272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

N.N.

Nguyen Ngo

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Patent Examiner AU 2663
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RICKY Q. NGO
-VISORY PATENT EXAMINER